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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/717,766	11/20/2003	Fritz Kirchhofer	33728/US	8384
7590 David E. Bruhn DORSEY & WHITNEY LLP Intellectual Property Department 50 South Sixth Street, Suite 1500 Minneapolis, MN 55402-1498		03/08/2007	EXAMINER HUH, BENJAMIN	
			ART UNIT 3767	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE		
3 MONTHS	03/08/2007	PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/717,766	KIRCHHOFER, FRITZ	
Examiner	Art Unit		
Benjamin Huh	3767		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1)  Responsive to communication(s) filed on 04 December 2006.

2a)  This action is FINAL.                    2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

4)  Claim(s) 2 and 4-26 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5)  Claim(s) \_\_\_\_\_ is/are allowed.

6)  Claim(s) 2 and 4-26 is/are rejected.

7)  Claim(s) \_\_\_\_\_ is/are objected to.

8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on \_\_\_\_\_ is/are: a)  accepted or b)  objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All    b)  Some \* c)  None of:  
1.  Certified copies of the priority documents have been received.  
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1)  Notice of References Cited (PTO-892) 4)  Interview Summary (PTO-413)  
2)  Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date. \_\_\_\_.  
3)  Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.  
5)  Notice of Informal Patent Application  
6)  Other: \_\_\_\_.

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 2, 4-6, 8-13, 18, 20-26 are rejected under 35 U.S.C. 102(b) as being anticipated by JP P2000-84078A which was filed on 3/28/2000 and listed in the IDS filed on 2/17/04. The Japanese patent discloses in figures 1 & 4-8 a cannula system comprising a cannula support comprising a thread turning in a first direction (10,11) and another thread turning in a second, generally opposite direction (15,16); and a protective cap 12 for covering a point of a needle having a thread (18,19) engageable with said thread turning in said second generally opposite direction, at least one latching element 13 arranged on the cannula support, the cap comprising a complementary latching element 17, and an injection device 1 having a thread (7,8) engageable with said thread turning in the first direction.

With respect to claim 2, wherein the term "inner" is seen to be proximal and the term "outer" is seen to be distal.

With respect to claims 9-13 & 18, wherein the device has a latching element 13 on the cannula support and a corresponding latching element 17 on the cap, wherein the device is fully capable of having a releasable manner with element 17 not being

pushed past element 13 to provide an easier cover, while if the element 17 is pushed past element 13 would create a non-releasable manner.

With respect to claims 20-26, the reference disclosing a cannula system comprising a cannula support comprising a first portion 5 having a first diameter, a second portion having a second diameter greater than the first diameter the second portion comprising an exterior thread, which is seen to be a distal thread (15,16), turning in a first direction and an interior thread, seen as a proximal thread (10,11), turning in a second, generally opposite direction, wherein the second diameter is greater than the first diameter; an inner protective cap 12 connectable to the first portion, and an outer protective cap (seen as elements 1,2,4) connectable to the second portion, wherein the term "cap" is defined according to Merriam-Webster dictionary as "something that serves as a cover or protection especially for a tip, knob, or end" or "a fitting for closing the end of a tube" or "an overlaying or covering structure", therefore elements 1,2,4 are seen to be a cap, also see figures 4-8 for turning.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over JP P2000-84078A as applied to claim 4 above and further in view of Kakiuti (EP

0749760B1). Now even though the Japanese Patent does not explicitly disclose the use of a first and second protective cap attention is directed to Kakiuti. The Kakiuti reference teaches the use of a first and second cap in figure 5. Therefore, it would be obvious to one of ordinary skill in the art at the time of the invention to modify the device of JP P2000-840178A with the teachings of Kakiuti in order to reinforce the inner cap and to provide another safety precaution to help avoid accidental sticks from the needle.

Claims 14-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP P2000-84078A as applied to claim 9 and further in view of MPEP 2144.04 VI Section B. Now even though JP P2000-84078A does not explicitly disclose the use of a second latching element attention is directed to MPEP 2144.04 VI Section B, Duplication of Parts. Therefore, it would be obvious to one of ordinary skill in the art at the time of the invention to modify JP P2000-84078A to have a second latching element in order to provide more security with keeping the cap on over the needle.

With respect to claims 15-17, wherein the connection element is elements 10 & 11, wherein the threads are fully capable of connecting the cannula support to a pen since several pens utilize threads to connect to a cannula support.

Claim 19 is rejected under 35 U.S.C. 103(a) as being unpatentable over JP P2000-84078A in view of Sellar (US Patent No. 1050042) and further in view of Kakiuti (EP 0749760B1). The JP reference discloses a needle cover comprising a needle support carrying a needle, the needle support comprising a cam 13, a thread (10,11) for

coupling the support to an injection device, and a thread (15,16) for coupling to a cap 12 which also has a thread (18,19) and a cavity on an inside surface. Now even though the JP reference does not disclose the threads to be on an inner surface attention is directed to Sellar. The Sellar reference teaches the use of an inner thread for a needle support to connect to a syringe. Therefore, it would be obvious to one of ordinary skill in the art at the time of the invention to modify the device of JP with the teachings of Sellar in order to provide a needle support with a connector that can be utilized with other types of syringes. Now even though the Japanese Patent does not explicitly disclose the use of a first and second protective cap attention is directed to Kakiuti. The Kakiuti reference teaches the use of a first and second cap in figure 5. Therefore, it would be obvious to one of ordinary skill in the art at the time of the invention to modify the device of JP P2000-840178A with the teachings of Kakiuti in order to reinforce the inner cap and to provide another safety precaution to help avoid accidental sticks from the needle.

### ***Response to Arguments***

Applicant's arguments with respect to the claims have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benjamin Huh whose telephone number is 571-272-8208. The examiner can normally be reached on M-F: 9:00 AM - 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Sirmons can be reached on 571-272-4965. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

BHH

BHH

KEVIN C. SIRMONS  
SUPERVISORY PATENT EXAMINER

*Kevin C. Sirmons*